**Tier 1 Week 5 Vocabulary**

1. Celestial Body==natural objects visible in the sky
2. Comet==a small body of ice, rock, and cosmic dust that follows an elliptical orbit around the sun and that gives off gas and dust in the form of a tail as it passes close to the Sun
3. Meteor==a bright streak of light that results when a meteoroid burns up in the Earth’s atmosphere
4. Meteorite==a meteoroid that reaches the Earth’s surface without burning up completely
5. Meteoroid==a relatively small, rocky body that travels through space
6. Meteor shower==a number of meteors that appear to radiate from one point in the sky at a particular date each year
7. Asteroid==a small rocky object that orbits the sun, usually in a band between the orbits of Mars and Jupiter—to small and numerous to be considered planets
8. Asteroid belt==the region of the solar system that is between the orbits of Mars and Jupiter and in which most asteroids orbit.
9. Kuiper Belt==a region of the solar system beyond the orbit of Neptune, believed to contain many comets, asteroids, and other small bodies made largely of ice
10. Oort Cloud==a spherical cloud of small rocky and icy bodies postulated to orbit the sun beyond the orbit of Pluto and up to 1.5 light years from the sun, and to be the source of comets
11. Comet Nucleus==the solid, central part of a comet, popularly termed a dirty snowball or an icy dirtball---composed of rock, dust, and frozen gases
12. Comet Coma ==nebulous envelope around the nucleus of a comet, formed when the comet passes close to the Sun on its highly elliptical orbit; as the comet warms, parts of it sublime
13. Sublime==change directly into vapor when heated
14. Solar System==the collection of eight planets and their moons in orbit around the sun, along with smaller bodies in the form of asteroids, meteoroids, and comets
15. Light year==a unit of astronomical distance equivalent to the distance that light travels in one year, which is 9.4607 x 1012 km (nearly 6 trillion miles).